

Amendments to the Claims

The following listing of claims will replace all prior versions, and listings, of claims in this patent application:

Claims 1 to 5 (canceled).

6. (new) An automatic measuring device for measuring dimensions of a tool for a machine tool including a spindle for receiving the tool, wherein the spindle is capable of movement for interacting with the measuring device for deducing the dimensions of the tool according to a measuring system specific to the spindle, and wherein the measuring device comprises a flexible bar made of a material having highly elastic properties, wherein one end of the bar is fixedly attached to a first yoke attached to a fixed frame and an opposite, free end of the bar is in contact with two detectors placed perpendicular to one another and to a second yoke capable of sliding on the flexible bar, and wherein a platform on which the tool to be measured is capable of resting overhangs the second yoke.

7. (new) The automatic measuring device of claim 6 wherein the bar has a square cross-section.

8. (new) The automatic measuring device of claim 7 wherein the bar is made of an elastic steel.

9. (new) The automatic measuring device of claim 6 wherein the detectors are micrometric end-of-travel detectors.

10. (new) The automatic measuring device of claim 9 wherein one of the detectors is placed vertically, for determining a length, and another one of the detectors is placed horizontally, for determining a diameter.

11. (new) The automatic measuring device of claim 10 wherein each of the detectors is connected to the measuring system specific to the spindle so that when the detectors break contact with the bar, the dimensions of the tool are deduced.

12. (new) The automatic measuring device of claim 6 wherein the platform includes a beveled edge.